



KANSAS CORPORATION COMMISSION 1097673  
 OIL & GAS CONSERVATION DIVISION

Form ACO-4  
 Form must be typed  
 March 2009

APPLICATION FOR COMMINGLING OF **Commingling ID # CO111210**  
 PRODUCTION (K.A.R. 82-3-123) OR FLUIDS (K.A.R. 82-3-123a)

OPERATOR: License # 33343  
 Name: PostRock Midcontinent Production LLC  
 Address 1: Oklahoma Tower  
 Address 2: 210 Park Ave, Ste 2750  
 City: OKLAHOMA CITY State: OK Zip: 73102 + \_\_\_\_\_  
 Contact Person: CLARK EDWARDS  
 Phone: (620) 432-4200

API No. 15 - 15-133-26763-00-00  
 Spot Description: \_\_\_\_\_  
 - NE NW Sec. 35 Twp. 27 S. R. 17  East  West  
660 Feet from  North /  South Line of Section  
1980 Feet from  East /  West Line of Section  
 County: Neosho  
 Lease Name: MCMINIMY FAMILY TRUST Well #: 35-1

1. Name and upper and lower limit of each production interval to be commingled:  
 Formation: SUMMIT (Perfs): 675-679  
 Formation: MULKY (Perfs): 685-689  
 Formation: BEVIER (Perfs): 765-767  
 Formation: CROWEBURG (Perfs): 782-785  
 Formation: FLEMING (Perfs): 817-819

2. Estimated amount of fluid production to be commingled from each interval:  
 Formation: SUMMIT BOPD: 0 MCFPD: 7.75 BWPD: 8.38  
 Formation: MULKY BOPD: 0 MCFPD: 7.75 BWPD: 8.38  
 Formation: BEVIER BOPD: 0 MCFPD: 7.75 BWPD: 8.38  
 Formation: CROWEBURG BOPD: 0 MCFPD: 7.75 BWPD: 8.38  
 Formation: FLEMING BOPD: 0 MCFPD: 7.75 BWPD: 8.38

3. Plat map showing the location of the subject well, all other wells on the subject lease, and all wells on offsetting leases within a 1/2 mile radius of the subject well, and for each well the names and addresses of the lessee of record or operator.
4. Signed certificate showing service of the application and affidavit of publication as required in K.A.R. 82-3-135a.

**For Commingling of PRODUCTION ONLY, include the following:**

5. Wireline log of subject well. Previously Filed with ACO-1:  Yes  No
6. Complete Form ACO-1 (*Well Completion form*) for the subject well.

**For Commingling of FLUIDS ONLY, include the following:**

7. Well construction diagram of subject well.
8. Any available water chemistry data demonstrating the compatibility of the fluids to be commingled.

**AFFIDAVIT:** I am the affiant and hereby certify that to the best of my current information, knowledge and personal belief, this request for commingling is true and proper and I have no information or knowledge, which is inconsistent with the information supplied in this application.

Submitted Electronically

<b>KCC Office Use Only</b>	
<input type="checkbox"/> Denied	<input checked="" type="checkbox"/> Approved
15-Day Periods Ends: <u>11/27/2012</u>	
Approved By: <u>Rick Hestermann</u>	Date: <u>11/27/2012</u>

*Protests may be filed by any party having a valid interest in the application. Protests must be in writing and comply with K.A.R. 82-3-135b and must be filed within 15 days of publication of the notice of application.*

A	B	C	D	E	F	G	H	I	J	K	
1	Produced Fluids #	1	2	3	4	5					
2	Parameters	Units	Input	Input	Input	Input	Input			Click	
3	Select the brines	Select fluid								Click here to run SSP	
4	Sample ID	by checking the box(es),								Click	
5	Date	3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012				Click	
6	Operator	PostRock	PostRock	PostRock	PostRock	PostRock				Click	
7	Well Name	Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith				Click	
8	Location	#34-1	#4-1	#5-4	#1	#2				Click	
9	Field	CBM	CBM	Bartles	Bartles	Bartles				Click	
10	Na <sup>+</sup>	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	
11	K <sup>+</sup> (if not known =0)	(mg/l)						0.00	Saturation Index values	ASISR (Final-Initial)	
12	Mg <sup>2+</sup>	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	995.91	Calcite		
13	Ca <sup>2+</sup>	(mg/l)	1,836.00	2,452.00	2,044.00	1920.00	1948.00	2040.23			
14	Sr <sup>2+</sup>	(mg/l)						0.00	Bartite		
15	Ba <sup>2+</sup>	(mg/l)						0.00			
16	Fe <sup>2+</sup>	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Halite		
17	Zn <sup>2+</sup>	(mg/l)						0.00			
18	Pb <sup>2+</sup>	(mg/l)						0.00	Gypsum		
19	Cl <sup>-</sup>	(mg/l)	36,299.00	48,965.00	47,874.00	45632.00	43147.00	44388.44			
20	SO <sub>4</sub> <sup>2-</sup>	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	Hemihydrate		
21	F <sup>-</sup>	(mg/l)						0.00			
22	Br <sup>-</sup>	(mg/l)						0.00	Anhydrite		
23	SiO <sub>2</sub>	(mg/l) SiO <sub>2</sub>						0.00			
24	HCO <sub>3</sub> Alkalinity**	(mg/l as HCO <sub>3</sub> )	190.00	234.00	259.00	268.00	254.00	241.03	Celestite		
25	CO <sub>3</sub> Alkalinity	(mg/l as CO <sub>3</sub> )									
26	Carboxylic acids**	(mg/l)						0.00	Iron Sulfide		
27	Ammonia	(mg/L) NH <sub>3</sub>						0.00			
28	Borate	(mg/L) H <sub>3</sub> BO <sub>3</sub>						0.00	Zinc Sulfide		
29	TDS (Measured)	(mg/l)						72781			
30	Calc. Density (STP)	(g/ml)	1.038	1.051	1.050	1.048	1.045	1.047	Calcium fluoride		
31	CO <sub>2</sub> Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16			
32	H <sub>2</sub> S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Carbonate		
33	Total H <sub>2</sub> Saq	(mgH <sub>2</sub> S/l)	1.00	1.00	1.00	1.00	0.50	0.90			
34	pH, measured (STP)	pH	5.67	5.76	5.72	5.54	5.55	5.63	Tubuhitor needed (mg/L)		
35	Choose one option to calculate SI?	0-CO <sub>2</sub> +Alk. 1-pH+Alk. 2-CO <sub>2</sub> +pH	0	0	0	0	0	0	Calcite	NTMP	
36	Gas/day (thousand cf/day)	(Mc/D)						0			
37	Oil/Day	(B/D)	0	0	1	1	1	4	Bartite	BHPMP	
38	Water/Day	(B/D)	100	100	100	100	100	500			
39	For mixed brines, enter values for temperatures and pressures in Cells (H40-H43)							(Enter H40-H43)			
40	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0			
41	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0			
42	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	Viscosity (CentiPoise)		
43	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0			
44	Use TP on Calcite sheet?	1-Yes;0-No							Heat Capacity (cal/ml/C)		
45	API Oil Grav.	API grav.						30.00	Inhibitor needed (mg/L)		
46	Gas Sp. Grav.	Sp. Grav.						0.60	Gypsum	HDTMP	
47	MeOH/Day	(B/D)	0					0			
48	MEG/Day	(B/D)	0					0	Anhydrite	HDTMP	
49	Conc. Multiplier										
50	H <sup>+</sup> (Strong acid) <sup>1</sup>	(N)									
51	OH <sup>-</sup> (Strong base) <sup>1</sup>	(N)									
52	Quality Control Checks at STP:										
53	H <sub>2</sub> S Gas	(%)									
54	Total H <sub>2</sub> Saq (STP)	(mgH <sub>2</sub> S/l)									
55	pH Calculated	(pH)									
56	PCO <sub>2</sub> Calculated	(%)									
57	Alkalinity Calculated	(mg/l) as HCO <sub>3</sub>									
58	ECations=	(equiv./l)									
59	EAnions=	(equiv./l)									
60	Calc TDS=	(mg/l)									
61	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)			Value		
62	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
63	Have ScaleSoftPitzer			2	BHPMP	°C	80	°F	176		
64	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m <sup>3</sup>	100	m <sup>3</sup>	3,531		
65	If No, inhibitor # is:	4	#	4	DTPMP	m <sup>3</sup>	100	bbt(42 US gal)	629		
66	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
67	1 <sup>st</sup> inhibitor # is:	1	#	6	SPA	Bar	496	psia	7,194		
68	% of 1 <sup>st</sup> inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		
69	2 <sup>nd</sup> inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbt(42 US gal)	238		
70	Display act. coeffs?	0	1-Yes;0-No	9	Average	Lfters	10,000	bbt(42 US gal)	63		
71				10	Mixed						

## Saturation Index Calculations

*Champion Technologies, Inc.*  
(Based on the Tomson-Oddo Model)

**Brine 1:** Ward Feed Yard 34-1

**Brine 2:** Ward Feed Yard 4-1

**Brine 3:** Clinesmith 5-4

**Brine 4:** Clinesmith 1

**Brine 5:** Clinesmith 2

Component (mg/L)	Ratio					Mixed Brine
	20% Brine 1	20% Brine 2	20% Brine 3	20% Brine 4	20 Brine 5	
Calcium	1836	2452	2044	1920	1948	1952
Magnesium	1096	872	1200	953	858	865
Barium	0	0	0	0	0	0
Strontium	0	0	0	0	0	0
Bicarbonate	190	234	259	268	254	253
Sulfate	1	1	8	1	1	1
Chloride	36299	48965	47874	45632	43147	43206
CO <sub>2</sub> in Brine	246	220	264	422	405	401
Ionic Strength	1.12	1.48	1.46	1.38	1.31	1.31
Temperature (°F)	89	89	89	89	89	89
Pressure (psia)	50	50	120	120	120	119

### Saturation Index

Calcite	-1.71	-1.41	-1.48	-1.68	-1.69	-1.69
Gypsum	-3.71	-3.64	-2.82	-3.73	-3.72	-3.69
Hemihydrate	-3.70	-3.65	-2.83	-3.74	-3.71	-3.69
Anhydrite	-3.89	-3.79	-2.97	-3.89	-3.88	-3.85
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

### PTB

Calcite	N/A	N/A	N/A	N/A	N/A	N/A
Gypsum	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite	N/A	N/A	N/A	N/A	N/A	N/A
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

	A	B	C	D	E	F	G	H	I	J	K
1	Produced Fluids #		1	2	3	4	5				
2	Parameters	Units	Input	Input	Input	Input	Input				Click
3	Select the brines	Select fluid by checking the box(es), Row 3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mixed brine: Cell H28 is STP calc. pH. Cells H35-38 are used in mixed brines calculations.	Click here to run SSP		Click
4	Sample ID										Click
5	Date		3/19/2012	3/4/2012	3/14/2012	1/20/2012	1/20/2012				Click
6	Operator		PostRock	PostRock	PostRock	PostRock	PostRock				Click
7	Well Name		Ward Feed	Ward Feed	Clinesmith	Clinesmith	Clinesmith				Click
8	Location		#34-1	#4-1	#5-4	#1	#2				Click
9	Field		CBM	CBM	Bartles	Bartles	Bartles				Click
10	Na <sup>+</sup>	(mg/l)*	19,433.00	27,381.00	26,534.00	25689.00	24220.00	24654.20	Initial(BH)	Final(WH)	SISR (Final-Initial)
11	K <sup>+</sup> (if not known =0)	(mg/l)						0.00	Saturation Index values:		
12	Mg <sup>2+</sup>	(mg/l)	1,096.00	872.00	1,200.00	953.00	858.00	295.91	Calcite		
13	Ca <sup>2+</sup>	(mg/l)	1,836.00	2,452.00	2,044.00	1920.00	1948.00	2040.23	-0.73	-0.60	0.13
14	Sr <sup>2+</sup>	(mg/l)						0.00	Barite		
15	Ba <sup>2+</sup>	(mg/l)						0.00			
16	Fe <sup>2+</sup>	(mg/l)	40.00	21.00	18.00	82.00	90.00	50.21	Halite		
17	Zn <sup>2+</sup>	(mg/l)						0.00	-1.77	-1.80	-0.03
18	Pb <sup>2+</sup>	(mg/l)						0.00	Gypsum		
19	Cl <sup>-</sup>	(mg/l)	36,299.00	48,965.00	47,874.00	45632.00	43147.00	44388.44	-3.19	-3.18	0.00
20	SO <sub>4</sub> <sup>2-</sup>	(mg/l)	1.00	1.00	8.00	1.00	1.00	2.40	Hemihydrate		
21	F <sup>-</sup>	(mg/l)						0.00	-3.96	-3.90	0.06
22	Br <sup>-</sup>	(mg/l)						0.00	Anhydrite		
23	SiO <sub>2</sub>	(mg/l) SiO <sub>2</sub>						0.00	-3.47	-3.36	0.12
24	HCO <sub>3</sub> Alkalinity**	(mg/l as HCO <sub>3</sub> )	190.00	234.00	259.00	268.00	254.00	241.03	Celestine		
25	CO <sub>3</sub> Alkalinity	(mg/l as CO <sub>3</sub> )									
26	Carboxylic acids**	(mg/l)						0.00	Iron Sulfide		
27	Ammonia	(mg/L) NH <sub>3</sub>						0.00	-0.16	-0.22	-0.06
28	Borate	(mg/L) H <sub>3</sub> BO <sub>3</sub>						0.00	Zinc Sulfide		
29	TDS (Measured)	(mg/l)						72781			
30	Calc. Density (STP)	(g/ml)	1.038	1.051	1.050	1.048	1.045	1.047	Calcium fluoride		
31	CO <sub>2</sub> Gas Analysis	(%)	19.97	18.76	22.41	35.53	33.79	26.16			
32	H <sub>2</sub> S Gas Analysis***	(%)	0.0289	0.0292	0.0296	0.0306	0.0151	0.0269	Iron Carbonate		
33	Total H <sub>2</sub> Saq	(mgH <sub>2</sub> S/l)	1.00	1.00	1.00	1.00	0.50	0.90	-0.74	-0.51	0.23
34	pH, measured (STP)	pH	5.67	5.76	5.72	5.54	5.55	5.63	Inhibitor needed (mg/L)		
	Choose one option to calculate SI?	0-CO <sub>2</sub> %+Alk, 1-pH+Alk, 2-CO <sub>2</sub> %+pH							Calcite	NTMP	
35	Gas/day(thousand cf/day)	(Mcf/D)	0	0	0	0	0	0	0.00	0.00	
36	Oil/Day	(B/D)	0	0	1	1	1	4	Barite	BHPMP	
37	Water/Day	(B/D)	100	100	100	100	100	500	0.00	0.00	
38	For mixed Brines, enter values for temperatures and pressures in Cells (H40-H43)								(Enter H40-H43) pH		
39	Initial T	(F)	66.0	71.0	70.0	41.0	49.0	60.0	5.69	5.60	
40	Final T	(F)	66.0	71.0	70.0	41.0	49.0	89.0	Viscosity (CentiPoise)		
41	Initial P	(psia)	25.0	25.0	25.0	25.0	25.0	25.0	1.196	0.826	
42	Final P	(psia)	25.0	25.0	25.0	25.0	25.0	120.0	Heat Capacity (cal/ml°C)		
43	Use TP on Calcite sheet?	1-Yes;0-No							0.955	0.959	
44	API Oil Grav.	API grav.						30.00	Inhibitor needed (mg/L)		
45	Gas Sp.Grav.	Sp.Grav.						0.60	Gypsum	HDTMP	
46	MeOH/Day	(B/D)	0					0	0.00	0.00	
47	MEG/Day	(B/D)	0					0	Anhydrite	HDTMP	
48	Conc. Multiplier								0.00	0.00	
49	H <sup>+</sup> (Strong acid) <sup>†</sup>	(N)									
50	OH <sup>-</sup> (Strong base) <sup>†</sup>	(N)									
51	Quality Control Checks at STP:										
52	H <sub>2</sub> S Gas	(%)									
53	Total H <sub>2</sub> Saq (STP)	(mgH <sub>2</sub> S/l)									
54	pH Calculated	(pH)									
55	PCO <sub>2</sub> Calculated	(%)									
56	Alkalinity Calculated	(mg/l) as HCO <sub>3</sub>									
57	ECations=	(equiv./l)									
58	EAnions=	(equiv./l)									
59	Calc TDS=	(mg/l)									
60	Inhibitor Selection	Input	Unit	#	Inhibitor	Unit Converter (From metric to English)					
61	Protection Time	120	min	1	NTMP	From Unit	Value	To Unit	Value		
62	Have ScaleSoftPizer			2	BHPMP	°C	80	°F	176		
63	pick inhibitor for you?	1	1-Yes;0-No	3	PAA	m <sup>3</sup>	100	ft <sup>3</sup>	3,531		
64	If No, inhibitor # is:	4	#	4	DTMP	m <sup>3</sup>	100	bbl(42 US gal)	629		
65	If you select Mixed,			5	PPCA	MPa	1,000	psia	145,074		
66	1 <sup>st</sup> inhibitor # is:	1	#	6	SDA	Bar	496	psia	7,194		
67	% of 1 <sup>st</sup> inhibitor is:	50	%	7	HEDP	Torr	10,000	psia	193		
68	2 <sup>nd</sup> inhibitor # is:	2	#	8	HDTMP	Gal	10,000	bbl(42 US gal)	238		
69	Display act. coeffs?	0	1-Yes;0-No	9	Average	Liters	10,000	bbl(42 US gal)	63		
70				10	Mixed						

## Saturation Index Calculations

*Champion Technologies, Inc.*

(Based on the Tomson-Oddo Model)

**Brine 1:** Ward Feed Yard 34-1

**Brine 2:** Ward Feed Yard 4-1

**Brine 3:** Clinesmith 5-4

**Brine 4:** Clinesmith 1

**Brine 5:** Clinesmith 2

Component (mg/L)	Ratio					
	20% Brine 1	20% Brine 2	20% Brine 3	20% Brine 4	20 Brine 5	Mixed Brine
Calcium	1836	2452	2044	1920	1948	1952
Magnesium	1096	872	1200	953	858	865
Barium	0	0	0	0	0	0
Strontium	0	0	0	0	0	0
Bicarbonate	190	234	259	268	254	253
Sulfate	1	1	8	1	1	1
Chloride	36299	48965	47874	45632	43147	43206
CO <sub>2</sub> in Brine	246	220	264	422	405	401
Ionic Strength	1.12	1.48	1.46	1.38	1.31	1.31
Temperature (°F)	89	89	89	89	89	89
Pressure (psia)	50	50	120	120	120	119

### Saturation Index

Calcite	-1.71	-1.41	-1.48	-1.68	-1.69	-1.69
Gypsum	-3.71	-3.64	-2.82	-3.73	-3.72	-3.69
Hemihydrate	-3.70	-3.65	-2.83	-3.74	-3.71	-3.69
Anhydrite	-3.89	-3.79	-2.97	-3.89	-3.88	-3.85
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

### PTB

Calcite	N/A	N/A	N/A	N/A	N/A	N/A
Gypsum	N/A	N/A	N/A	N/A	N/A	N/A
Hemihydrate	N/A	N/A	N/A	N/A	N/A	N/A
Anhydrite	N/A	N/A	N/A	N/A	N/A	N/A
Barite	N/A	N/A	N/A	N/A	N/A	N/A
Celestite	N/A	N/A	N/A	N/A	N/A	N/A

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED  
KANSAS CORPORATION COMMISSION  
Form ACO-1  
September 1999  
MAY 30 2007 Form Must Be Typed

Operator: License # 33344  
Name: Quest Cherokee, LLC  
Address: 211 W. 14th Street  
City/State/Zip: Chanute, KS 66720  
Purchaser: Bluestem Pipeline, LLC  
Operator Contact Person: Jennifer R. Ammann  
Phone: (620) 431-9500  
Contractor: Name: Michael Drilling, LLC  
License: 33783

Wellsite Geologist: Ken Recoy  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back-Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_

1/26/07	1/27/07	2/1/07
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 133-26763-00-60  
County: Neosho  
\_\_\_\_\_ ne \_\_\_\_\_ nw Sec. 35 Twp. 27 S. R. 17  East  West  
660 feet from S (N circle one) Line of Section  
1980 feet from E (W circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: McMinimy Family Trust Well #: 35-1  
Field Name: Cherokee Basin CBM  
Producing Formation: multiple  
Elevation: Ground: 985 Kelly Bushing: n/a  
Total Depth: 1183 Plug Back Total Depth: 1138.76  
Amount of Surface Pipe Set and Cemented at 23 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from 1138.76  
feet depth to surface w/ 150 sx cmt.

Drilling Fluid Management Plan AH II NH 7-08 08  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Jennifer R. Ammann  
Title: New Well Development Coordinator Date: 5/29/07  
Subscribed and sworn to before me this 29th day of May  
20 07  
Notary Public: Veria Klauman

Date Commission Expires: 8-4-2010

**TERRA KLAUMAN**  
Notary Public - State of Kansas  
My Appt. Expires 8-4-2010

**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Quest Cherokee, LLC Lease Name: McMinimy Family Trust Well #: 35-1  
 Sec. 35 Twp. 27 S. R. 17  East  West County: Neosho

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum  
 See attached

List All E. Logs Run:  
 Dual Induction Log  
 Compensated Density Neutron Log  
 Gamma Ray Neutron Log

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8"	20	23	"A"	5	
Production	6-3/4	4-1/2	10.5	1138.76	"A"	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth
4	904-906/870-872/833-835/817-819/782-785/765-767	300gal 15% HCl w/ 24 lbs 2% KCl water, 425 lbs water w/ 2% KCl, Biocide, 10600# 33/70 sand	904-906/870-872
		833-835/817-819	782-785/765-767
4	685-689/675-679	300gal 15% HCl w/ 46 lbs 2% KCl water, 553 lbs water w/ 2% KCl, Biocide, 10600# 33/70 sand	685-689/675-679

TUBING RECORD	Size	Set At	Packer At	Liner Run
2-3/8"		934	n/a	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.	Producing Method			
3/5/07	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	n/a	16.6mcf	55.1bbls	

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACC-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

**Michael Drilling, LLC**

**P.O. Box 402  
Iola, KS 66749  
620-365-2755**

RECEIVED  
KANSAS CORPORATION COMMISSION

012707

MAY 30 2007

CONSERVATION DIVISION  
WICHITA KS

**Company:** Quest Cherokee LLC  
**Address:** 9520 North May Ave, Suite 300  
Oklahoma City, Oklahoma 73120  
**Ordered By:** Donnie Meyers

**Date:** 01/27/07  
**Lease:** McMinimy Family Trust  
**County:** Neosho  
**Well#:** 35-1  
**API#:** 15-133-26763-00-00

**Drilling Log**

FEET	DESCRIPTION	FEET	DESCRIPTION
0-23	Overburden	679-682	Lime
23-67	Lime	682-684	Black Shale
67-91	Wet Sand	684	Gas Test 20" at 1/4" Choke
91-120	Lime	684-708	Sandy Shale
120-125	Sand	708	Gas Test 55" at 1/2" Choke
125-197	Shale	708-785	Sand
197-199	Lime	785-786	Coal
199-201	Sandy Shale	786-838	Shale
201-262	Lime	838-840	Coal
262-270	Shale	840-883	Sand
270-280	Lime	883-884	Coal
280-312	Sand	884-910	Shale
312-400	Lime	910-1076	Sand
400-492	Shale	1076-1079	Coal
492-525	Shale and Lime	1079-1087	Shale
525-586	Shale	1081	Gas Test 16" at 3/4" Choke
586-589	Lime	1087-1183	Mississippi Lime
589-592	Coal	1108	Gas Test 15" at 3/4" Choke
592-622	Lime	1183	Gas Test 15" at 3/4" Choke
622-652	Shale	1183	TD
652-653	Coal		
653-672	Lime		Surface 23'
658	Gas Test 20" at 1/4" Choke		
672-679	Black Shale		



# QUEST

Resource Corporation



211 W. 14TH STREET,  
CHANUTE, KS 66720  
620-431-9500

RECEIVED  
KANSAS CORPORATION COMMISSION

MAY 30 2007

CONSERVATION DIVISION  
WICHITA, KS

TICKET NUMBER 1983

FIELD TICKET REF #

FOREMAN Joe

619690

### TREATMENT REPORT & FIELD TICKET CEMENT

DATE	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
2-1-07	Mcminimy family trust 35-1		35	27	17	NO	
FOREMAN / OPERATOR	TIME IN	TIME OUT	LESS LUNCH	TRUCK #	TRAILER #	TRUCK HOURS	EMPLOYEE SIGNATURE
Joe P.	6:45	12:45		903127		6	<i>[Signature]</i>
Tim. A	6:45	↓		902255		6	<i>[Signature]</i>
Russell A	7:15	↓		902206		5.5	<i>[Signature]</i>
TROY. W	6:45	↓		931500		6	<i>[Signature]</i>
MAC. M	7:00	1:00		931310	607240	6	<i>[Signature]</i>

JOB TYPE Logging HOLE SIZE 6 3/4 HOLE DEPTH 1151 CASING SIZE & WEIGHT 4 1/2 10.5  
 CASING DEPTH 1138.76 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 0  
 DISPLACEMENT 18.16 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 46rpm

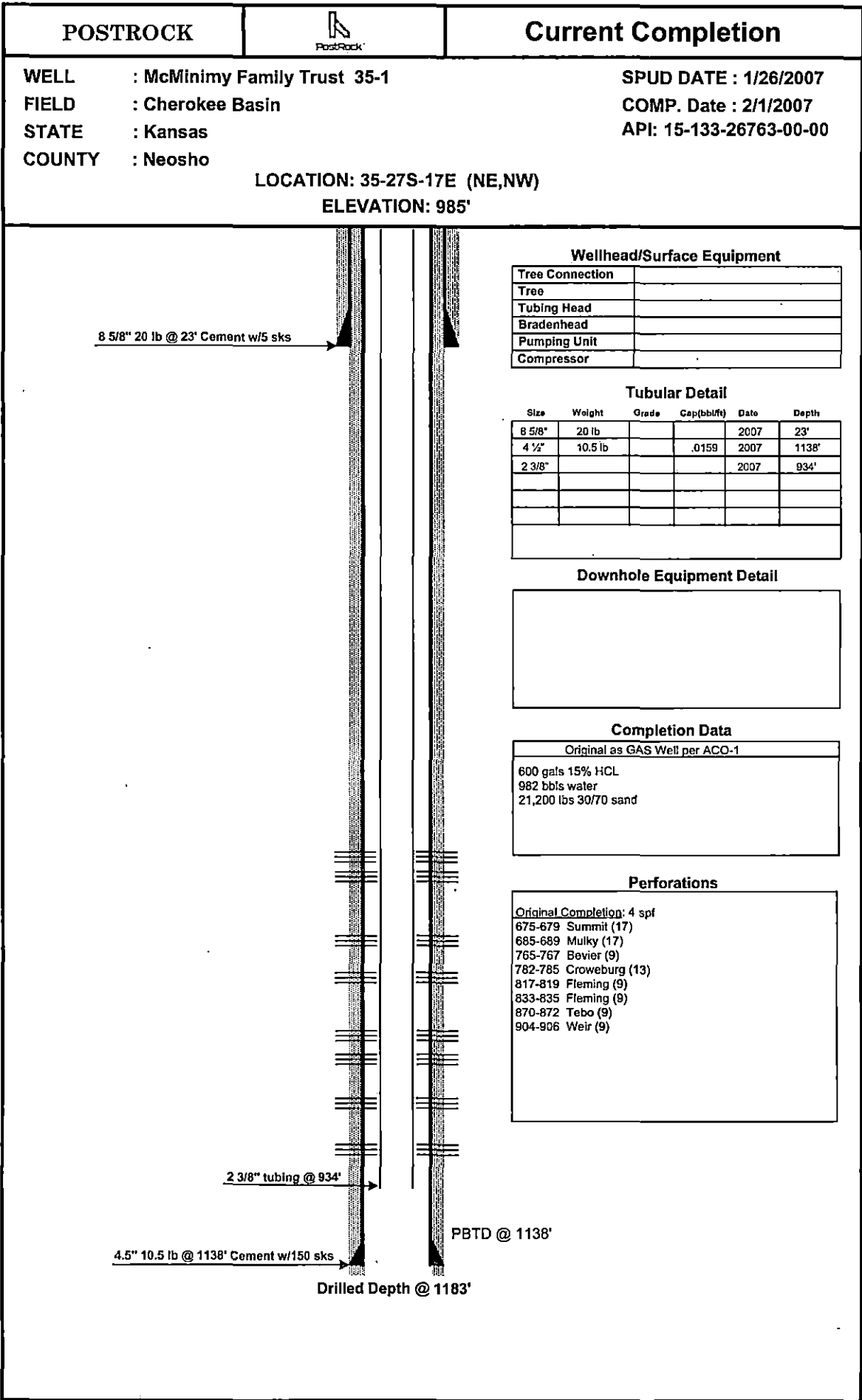
REMARKS:

Wash 55ft Run 2 SKS gel slurry to surface. Installed cement head Pore 1 SK gel  
 & 12 bbl dye & 150 SKS of cement to get dye to surface. flush pump Pump  
 Plug to bottom & set flood shoe

	1138.76	ft 4 1/2 Casing	
	6	Centralizers	
931310	2.25 hr	Casing tractor	
607240	2.25 hr	Casing trailer	

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	TOTAL AMOUNT
903427	6 hr	Foreman Pickup	
902255	6 hr	Cement Pump Truck	
902206	5.5 hr	Bulk Truck	
1104	140 SK	Portland Cement	
1124	1	5050 PGZ Blend Cement Baffle 3 1/2	
1126	1	OWC Blend Cement 4 1/2 wiper plug	
1110	15 SK	Gilsonite	
1107	15 SK	Flo-Seal	
1118	3 SK	Premium Gel	
1215A	1000	KCL	
1111B	3 SK	Sodium Sulfate Colchalaride	
1123	7000 gal	City Water	
903142	5 hr	Transport Truck	
902452	5 hr	Transport Trailer	
931500	6 hr	80 Vac	
Revin 4513	1	4 1/2 flood shoe	





**POSTROCK**



**Current Completion**

**WELL** : McMinimy Family Trust 35-1  
**FIELD** : Cherokee Basin  
**STATE** : Kansas  
**COUNTY** : Neosho  
**SPUD DATE** : 1/26/2007  
**COMP. Date** : 2/1/2007  
**API** : 15-133-26763-00-00  
**LOCATION** : 35-27S-17E (NE,NW)  
**ELEVATION** : 985'

**Wellhead/Surface Equipment**

Tree Connection	
Tree	
Tubing Head	
Bradenhead	
Pumping Unit	
Compressor	

**Tubular Detail**

Size	Weight	Grade	Cap(bbl/ft)	Date	Depth
8 5/8"	20 lb			2007	23'
4 1/2"	10.5 lb		.0159	2007	1138'
2 3/8"				2007	934'

**Downhole Equipment Detail**

--

**Completion Data**

Original as GAS Well per ACO-1
600 gals 15% HCL
982 bbls water
21,200 lbs 30/70 sand

**Perforations**

Original Completion: 4 spt
675-679 Summit (17)
685-689 Mulky (17)
765-767 Bevier (9)
782-785 Croweburg (13)
817-819 Fleming (9)
833-835 Fleming (9)
870-872 Tebo (9)
904-906 Weir (9)

PREPARED BY: POSTROCK  
 APPROVED BY: \_\_\_\_\_

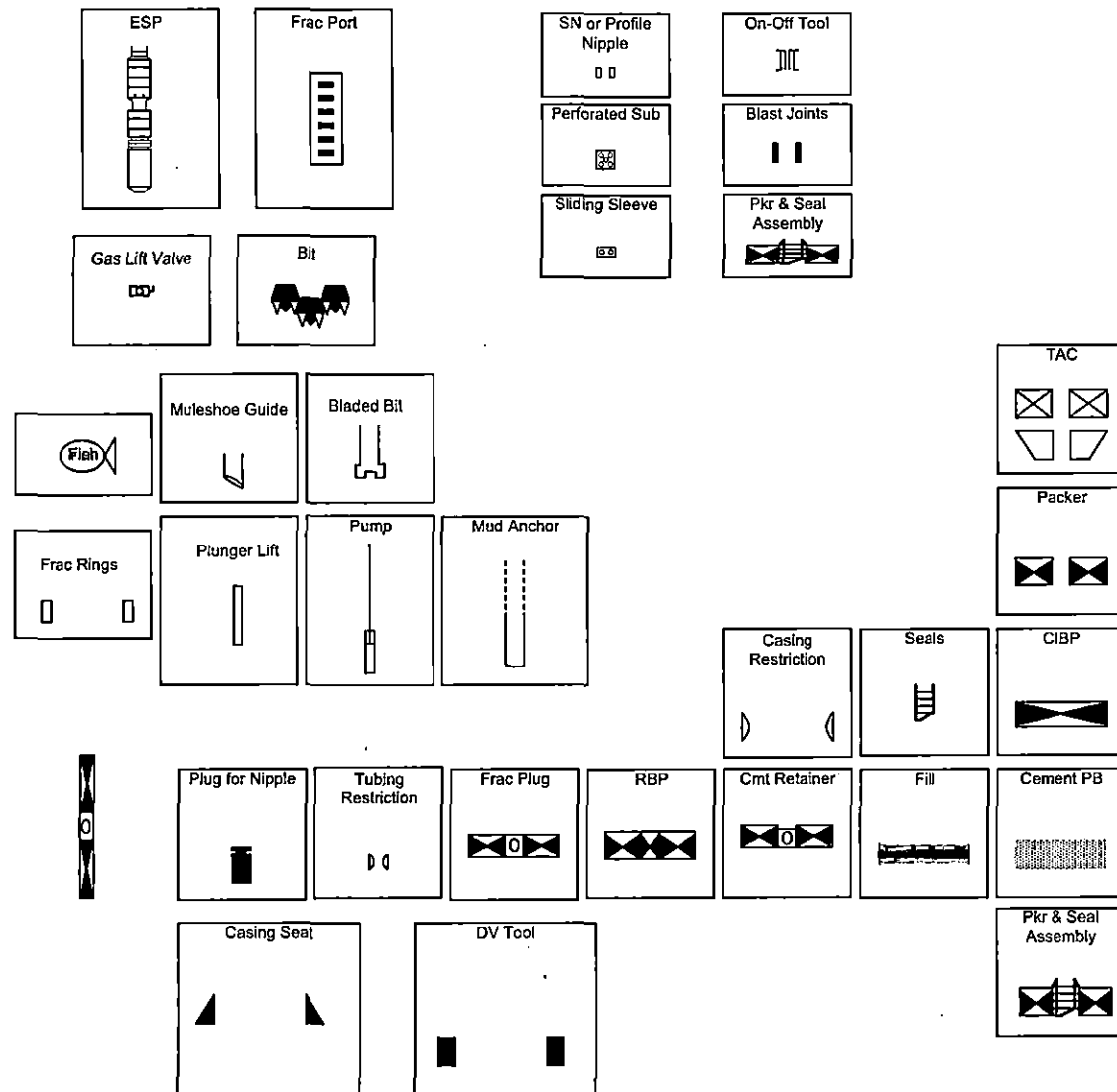
DATE: Oct, 2012  
 DATE: \_\_\_\_\_

# POSTROCK



## LEGEND

PostRock



**MCMINIMY FAMILY TRUST 35-1**

**1 NAME & UPPER & LOWER LIMIT OF EACH PRODUCTION INTERVAL TO BE COMMINGLED**

FORMATION: FLEMING	(PERFS):	833 -	835
FORMATION: TEBO	(PERFS):	870 -	872
FORMATION: WEIR	(PERFS):	804 -	906
FORMATION: SQUIRREL	(PERFS):	717 -	723
FORMATION: BARTLESVILLE	(PERFS):	921 -	924
FORMATION: BARTLESVILLE	(PERFS):	928 -	932
FORMATION: BARTLESVILLE	(PERFS):	946 -	950
FORMATION: BARTLESVILLE	(PERFS):	959 -	964
FORMATION:	(PERFS):	-	-
FORMATION:	(PERFS):	-	-
FORMATION:	(PERFS):	-	-
FORMATION:	(PERFS):	-	-

**2 ESTIMATED AMOUNT OF FLUID PRODUCTION TO BE COMMINGLED FROM EACH INTERVAL**

FORMATION: FLEMING	BOPD:	0	MCFPD:	7.75	0	BWPD:	8.38
FORMATION: TEBO	BOPD:	0	MCFPD:	7.75		BWPD:	8.38
FORMATION: WEIR	BOPD:	0	MCFPD:	7.75		BWPD:	8.38
FORMATION: SQUIRREL	BOPD:	0.6	MCFPD:	0		BWPD:	4
FORMATION: BARTLESVILLE	BOPD:	0.6	MCFPD:	0		BWPD:	4
FORMATION: BARTLESVILLE	BOPD:	0.6	MCFPD:	0		BWPD:	4
FORMATION: BARTLESVILLE	BOPD:	0.6	MCFPD:	0		BWPD:	4
FORMATION: 0	BOPD:		MCFPD:			BWPD:	
FORMATION: 0	BOPD:		MCFPD:			BWPD:	
FORMATION: 0	BOPD:		MCFPD:			BWPD:	
FORMATION: 0	BOPD:		MCFPD:			BWPD:	



**MCMINIMY FAMILY TRUST 35-1**

<b>LEGAL LOCATION</b>	<b>SPOT</b>	<b>CURR_OPERA</b>
S26-T27S-R17E	SW SW SE	Consolidated Oil Well Services, Inc
S26-T27S-R17E	NE SW SE SE	N & B Enterprises, Inc.

*MCMINIMY FAMILY TRUST 35-1*

**26-27S-17E**

SW4 less SWSW & Ash Grove Cement Co.  
W2SE less PO Box 25900  
Overland Park, KS 66225

SW4 SW4 Bruce & Jennifer Lee  
1060 200th Rd  
Chanute, KS 66720

Tract in E2 SE4 Kevin & Julie Unrein  
20255 Brown Rd  
Chanute, KS 66720

Tract in SE4 SE4 Larry & Marilyn Lock  
1028 Windsor Dr  
Chanute, KS 66720

Tract in SW4 SE4 Hunter & Denise Hastings  
1520 200th Rd  
Chanute, KS 66720

Tract in SW4 SE4 Linda Miller  
1740 200th Rd  
Chanute, KS 66720

Tract in SW4 SE4 Kim & Shelly Kuhn  
1630 200th Rd  
Chanute, KS 66720

**35-27S-17E**

tract in NW4 Chad & Jeana Anderes  
1035 200th Rd  
Chanute, KS 66720

RR strip in NW4 Glenn & Lora Lee Wrestler  
4680 S Santa Fe  
Chanute, KS 66720

RR strip in NE4 Donald Jr & Cheryl Friederich  
19895 Brown Rd  
Chanute, KS 66720

NW4 SE4 Chris & Tara Bilby  
19495 Brown Rd  
Chanute, KS 66720



**Affidavit of Notice Served**

Re: Application for: APPLICATION FOR COMMINGLING OF PRODUCTION OR FLUIDS ACO-4

Well Name: MCMINIMY FAMILY TRUST 35-1 Legal Location: NENW S35-T27S-R17E

The undersigned hereby certifies that he / she is a duly authorized agent for the applicant, and that on the day 12<sup>th</sup> of NOVEMBER, 2012, a true and correct copy of the application referenced above was delivered or mailed to the following parties:

*Note: A copy of this affidavit must be served as a part of the application.*

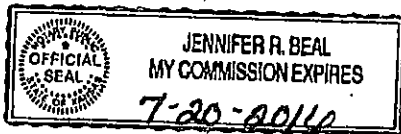
Name	Address (Attach additional sheets if necessary)
CONSOLIDATED OIL WELL SERVICE, INC	PO BOX 884, CHANUTE, KS 66720
N & B ENTERPRISES, INC	PO BOX 812, CHANUTE, KS 66720
SEE ATTACHED	

I further attest that notice of the filing of this application was published in the THE CHANUTE TRIBUNE, the official county publication of NEOSHO county. A copy of the affidavit of this publication is attached.

Signed this 12<sup>th</sup> day of NOVEMBER, 2012

Jess Morris  
Applicant or Duly Authorized Agent

Subscribed and sworn to before me this 12<sup>th</sup> day of NOVEMBER, 2012



Jennifer R. Beal  
Notary Public  
My Commission Expires: July 20, 2016



**MCMINIMY FAMILY TRUST 35-1**

**26-27S-17E**

**SW4 lessSWSW & W2SE less** Ash Grove Cement Co.  
PO Box 25900  
Overland Park, KS 66225

**SW4 SW4** Bruce & Jennifer Lee  
1060 200th Rd  
Chanute, KS 66720

**Tract in E2 SE4** Kevin & Julie Unrein  
20255 Brown Rd  
Chanute, KS 66720

**Tract in SE4 SE4** Larry & Marilyn Lock  
1028 Windsor Dr  
Chanute, KS 66720

**Tract in SW4 SE4** Hunter & Denise Hastings  
1520 200th Rd  
Chanute, KS 66720

**Tract in SW4 SE4** Linda Miller  
1740 200th Rd  
Chanute, KS 66720

**Tract in SW4 SE4** Kim & Shelly Kuhn  
1630 200th Rd  
Chanute, KS 66720

**35-27S-17E**

**tract in NW4** Chad & Jeana Anderes  
1035 200th Rd  
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**RR strip in NW4** Glenn & Lora Lee Wrestler  
4680 S Santa Fe  
Chanute, KS 66720

**RR strip in NE4** Donald Jr & Cheryl Friederich  
19895 Brown Rd  
Chanute, KS 66720

**NW4 SE4** Chris & Tara Bilby  
19495 Brown Rd  
Chanute, KS 66720

**AFFIDAVIT**

STATE OF KANSAS \
- SS.
County of Sedgwick /

Mark Fletchall, of lawful age, being first duly sworn, deposeth and saith: That he is Record Clerk of The Wichita Eagle, a daily newspaper published in the City of Wichita, County of Sedgwick, State of Kansas, and having a general paid circulation on a daily basis in said County, which said newspaper has been continuously and uninterruptedly published in said County for more than one year prior to the first publication of the notice hereinafter mentioned, and which said newspaper has been entered as second class mail matter at the United States Post Office in Wichita, Kansas, and which said newspaper is not a trade, religious or fraternal publication and that a notice of a true copy is hereto attached was published in the regular and entire Morning issue of said The Wichita Eagle for 1 issues, that the first publication of said notice was

made as aforesaid on the 9th of

November A.D. 2012, with

subsequent publications being made on the following dates:

And affiant further says that he has personal knowledge of the statements above set forth and that they are true.

*Mark Fletchall*

Subscribed and sworn to before me this

9th day of November, 2012

PENNY L. CASE
Notary Public - State of Kansas
My Appt. Expires 5/28/2014

*Penny L. Case*
Notary Public Sedgwick County, Kansas

Printer's Fee : \$134.80

LEGAL PUBLICATION
PUBLISHED IN THE WICHITA EAGLE
NOVEMBER 9, 2012 (3276897)
BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS
NOTICE OF FILING APPLICATION
RE: In the Matter of Postrock Midcontinent Production, LLC Application for Commencing of Production in the McMinty Family Trust 35-1 located in Neosho County, Kansas.
TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomsoever concerned.
You, and each of you, are hereby notified that Postrock Midcontinent Production, LLC has filed an application to commence the Summit, Mully, Beaver, Crowburg, Fleming, Tab, Weir, Squirrel and Bartlesville producing formations of the McMinty Family Trust 35-1, located in the NE-1/4, S35-T25-R17E, Approximately 660 FNL & 1980 FWL, Neosho County, Kansas.
Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.
All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All persons and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.
Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.
Postrock Midcontinent Production, LLC
210 Park Avenue, Suite 2750
Oklahoma City, Oklahoma 73102
(405) 640-7704

BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS  
**NOTICE OF FILING APPLICATION**

RE: In the Matter of **Postrock Midcontinent Production, LLC** Application for Commingling of Production in the **McMinimy Family Trust 35-1** located in Neosho County, Kansas.

TO: All Oil & Gas Producers, Unleased Mineral Interest Owners, Landowners, and all persons whomever concerned.

You, and each of you, are hereby notified that **Postrock Midcontinent Production, LLC** has filed an application to commingle the **Summit, Mulky, Bevler, Croweburg, Fleming, Tebo, Welr, Squirrel and Bartlesville** producing formations at the **McMinimy Family Trust 35-1**, located in the NE NW, S35-T27S-R17E, Approximately 660 FNL & 1980 FWL, Neosho County, Kansas.

Any persons who object to or protest this application shall be required to file their objections or protest with the Conservation Division of the State Corporation Commission of the State of Kansas within fifteen (15) days from the date of this publication. These protests shall be filed pursuant to Commission regulations and must state specific reasons why granting the application may cause waste, violate correlative rights or pollute the natural resources of the State of Kansas.

All persons interested or concerned shall take notice of the foregoing and shall govern themselves accordingly. All person and/or companies wishing to protest this application are required to file a written protest with the Conservation Division of the Kansas Oil and Gas Commission.

Upon the receipt of any protest, the Commission will convene a hearing and protestants will be expected to enter an appearance either through proper legal counsel or as individuals, appearing on their own behalf.

**Postrock Midcontinent Production, LLC**  
210 Park Avenue, Suite 2750  
Oklahoma City, Oklahoma 73102  
(405) 660-7704

A COPY OF THE AFFIDAVIT OF PUBLICATION MUST ACCOMPANY ALL APPLICATIONS

## Affidavit of Publication

STATE OF KANSAS, NEOSHO COUNTY, ss:  
*Rhonda Howerter*, being first duly sworn, deposes and says: That *she* is *Classified Manager* of **THE CHANUTE TRIBUNE**, a daily newspaper printed in the State of Kansas, and published in and of general circulation in Neosho County, Kansas, with a general paid circulation on a daily basis in Neosho County, Kansas, and that said newspaper is not a trade, religious or fraternal publication.

Said newspaper is a daily published at least weekly 50 times a year: has been so published continuously and uninterruptedly in said county and state for a period of more than five years prior to the first publication of said notice; and has been admitted at the post office of Chanute, in said county as second class matter.

That the attached notice is a true copy thereof and was published in the regular and entire issue of said newspaper for 1 consecutive time, the first publication thereof being made as aforesaid on the 7 day of November 2012, with subsequent publications being made on the following dates:

\_\_\_\_\_, 2012 \_\_\_\_\_, 2012

\_\_\_\_\_, 2012 \_\_\_\_\_, 2012

Rhonda Howerter

Subscribed and sworn to and before me this 7 day of November 2012

[Signature]  
Notary Public

My commission expires: January 9, 2015  
Printer's Fee ..... \$ 167.86  
Affidavit, Notary's Fee ..... \$ 3.00  
Additional Copies ..... \$ \_\_\_\_\_  
Total Publication Fees ..... \$ 70.86

SHANNA L. GUIOT  
Notary Public - State of Kansas  
My Appt. Expires 1-9-15

Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Thomas E. Wright, Commissioner  
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

November 27, 2012

Clark Edwards  
PostRock Midcontinent Production LLC  
Oklahoma Tower  
210 Park Ave, Ste 2750  
Oklahoma City, OK 73102

RE: Approved Commingling CO111210  
McMinimy Family Trust 35-1, Sec. 35-T27S-R17E, Neosho County  
API No. 15-133-26763-00-00

Dear Mr. Edwards:

Your Application for Commingling (ACO-4) for the above described well, received by the KCC on November 19, 2012, has been reviewed and approved by the Kansas Corporation Commission (KCC) per K.A.R. 82-3-123. Notice was examined and found to be proper per K.A.R. 82-3-135a. No protest had been filed within the 15-day protest period.

Based upon the depth of the Bartlesville formation perforations, total oil production shall not exceed 100 BOPD and total gas production shall not exceed 50% of the absolute open flow (AOF).

**File form ACO-1 upon re-completion of the well to commingle.**

Commingling ID number CO111210 has been assigned to this approved application. Use this number for well completion reports (ACO-1) and other correspondence that may concern this approved commingling.

Sincerely,

Rick Hestermann  
Production Department